APPENDIX B

EXAMPLES
========

Here is an example that shows two rendezvous of Pixxa client and server.

Client initiates a rendezvous by sending the email and password
of the user.

```
<pxp ver="3.1">
  <client>
     <dialog-resps>
       <bind-resp var="email" value="farshad@cmass.com"/>
       <bind-resp var="password" value="blah"/>
     </dialog-resps>
  </client>
</pxp>
```

The server responds to the client's login request. Since
farshad@cmass.com is new, it prompts the user for password
confirmation.

```
<pxp ver="3.1">
  <server>
    <rz
      host="dev.pixxa.com"
      time="14 January 2000 12:20:20 EST"
      delay="30"
      rzid="mqpo2320"
    >
    <dialog-req>
       <bind-req
         var="password_confirmation"
         prompt="Confirm Password"
         type="password"
         details="Welcome, new visitor, <b>farshad@cmass.com</b>. Please confirm
                 See <a href=/password.html>Password Info</a> for more info."
         delay="120"
       >
    </dialog-req>
    <server-cols>
      <col
        id="welcome"
        title="Pixxa New User Collection"
        screenplay="single"
        bgcolor="#000000"
        fgcolor="#999999"
```

```
          hicolor="#ddd
          uncolor="#333333"
          size="5"
          increment="1"
          playparam="transition=wipeleft delay=5"
        >
    </server-cols>
    <server-changes>
      <insert
        col="welcome"
        id="http://pixxa.com/images/welcome.gif"
        pos="0"
        src="http://pixxa.com/images/welcome.gif"
        title="Welcome to Pixxa!"
        details="Click <a href="/member/customize?email=farshad@cmass.com</a>here<
        page="http://pixxa.com/"
        rating="0"
        mimetype="image/gif"
        info="100x100pixels 2.5x2.5in 25kbytes"
      >
      <insert
        col="welcome"
        id="http://pixxa.com/member/collections-add/default-image?key=amazoncd"
        pos="1"
        src="http://pixxa.com/collections/default-image?key=amazoncd"
        title="Featuring CD Covers from Amazon.com..."
        details="Add <a href=http://pixxa.com/collections/browse-one?key=amazoncd&
                  >your favorite CD cover</a> to your collection."
        page="http://pixxa.com/collections/browse-one?key=amazoncd&email=farshad@c
        rating="0"
        mimetype="image/gif"
        info="100x100pixels 2.5x2.5in 25kbytes"
      >

      <insert
        col="welcome"
        id="http://pixxa.com/member/collections-add/default-image?key=artcom"
        pos="2"
        src="http://pixxa.com/collections/default-image?key=artcom"
        title="Also featuring art from Art.com..."
        details="Add <a href=http://pixxa.com/collections/view-one?key=artcom&emai
                  >your favorite CD cover</a> to your collection."
        page="http://pixxa.com/collections/view-one?key=artcom&email=farshad@cmass
        rating="0"
        mimetype="image/gif"
        info="100x100pixels 2.5x2.5in 25kbytes"
      >
    </server-changes>
  </server>
</pxp>
```

Client will show this collection for at least 30 seconds (since it is
the only colleciton and the server requested that client doesn't call
back in less than 30 seconds.) Each picture is shown for 5 seconds and
the user is given a chance to hit the like/dislike button.   In our
example, the use hit the like button on amazon.com but not on
art.com. So, in the next rendezvous, the client will pass back:
   - the rendezvous info that it got from the server last time
   - the value bound to password_confirmation
   - client changes, including promotion of amazoncd and demotion of artcom

```
<pxp>
  <client>
    <rz
      time="14 January 2000 12:20:20 EST"
      rzid="mqpo2320"
    >
    <client-cols ids="welcome" />
```

```
    <dialog-resp>
      <bind-resp var="password_confirmation" val="blah"/>
    </dialog-resp>
    <client-changes>
      <report type="preference" options="-1">
        <item
          col="welcome"
          id="http://pixxa.com/member/collections-add/default-image?key=artcom"
        >
      <report type="preference" options="+1">
        <item
          col="welcome"
          id="http://pixxa.com/member/collections-add/default-image?key=amazoncd"
        >
      </deletes>
    </client-changes>
  </client>
</pxp>


Since the user has registered completely, and has even said
that he wants to see CDs, the server will ask display the
top 10 Amazon CD covers...

<pxp ver="3.1">
  <server>
    <rz
      host="dev.pixxa.com"
      time="14 January 2000 12:22:33 EST"
      delay="60"
      rzid="mqpo3309"
    >
    <dialog-req>
        <bind-req
          var="favorite_cds"
          prompt="Favorite Musician"
          type="text"
          details="Tell us about some of your favorite artists so we can display t
                  Or select from a <a href=http://pixxa.com/member/collections-br
                  >list</a>."
          delay="120"
        >
    </dialog-req>
    <server-cols>
      <col
        id="amazoncds"
        title="Top 100 CDs on Amazon.com"
        screenplay="single"
        bgcolor="#000000"
        fgcolor="#99ffff"
        hicolor="#dddddd"
        uncolor="#333333"
        size="5"
        increment="1"
        playparam="transition=dissolve delay=5"
      >
    </server-cols>
    <server-changes>
      <insert
        col="amazoncds"
        id="http://www.amazon.com/images/P/B000002HC1.01.LZZZZZZZ.gif"
        src="http://www.amazon.com/images/P/B000002HC1.01.LZZZZZZZ.gif"
        title="Ween"
        details="Copyright 1994 Columbia Records. All Rights Reserved."
        page="http://amazon.com/exbios/2020202/1221012"
        mimetype="image/gif"
        info="150x100pixels 2.5x2.5in 25kbytes"
      >
```

http://www.pixxa.com/doc/sys/spec/protocol/pxp.txt

```
            <insert
              col="amazoncds
              id="http://www.amazon.com/images/P/B000002HOM.01.LZzzZZZZ.gif"
              src="http://www.amazon.com/images/P/B000002HOM.01.LZZZZZZZ.gif"
              title="Fiona Apple, Live in NYC"
              details="Visit <a href=http://fionaapple.com>Fiona's Home Page</a>
                       Copyright 1999 BMG. All Rights Reserved."
              page="http://amazon.com/exbios/2020202/133222"
              mimetype="image/gif"
              info="150x100pixels 2.5x2.5in 25kbytes"
            >
        </server-changes>
      </server>
    </pxp>
```

PIXXA V3 IMPLEMENTATION NOTES
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A valid v3 implementation of the protocol may place the following
restrictions:

1. Ratings range from -1..0..+1.
2. A media item id is the same as src URL, but this may change in the
   future (for example, to allow for id to be the fingerprint of the
   media element.)
3. DialogRequestType: only "ask" and "password" and "inform" are supported.
4. DialogRequestType: password responses need not be encrypted
5. No server-side reports.
6. No Screenplay downloading.